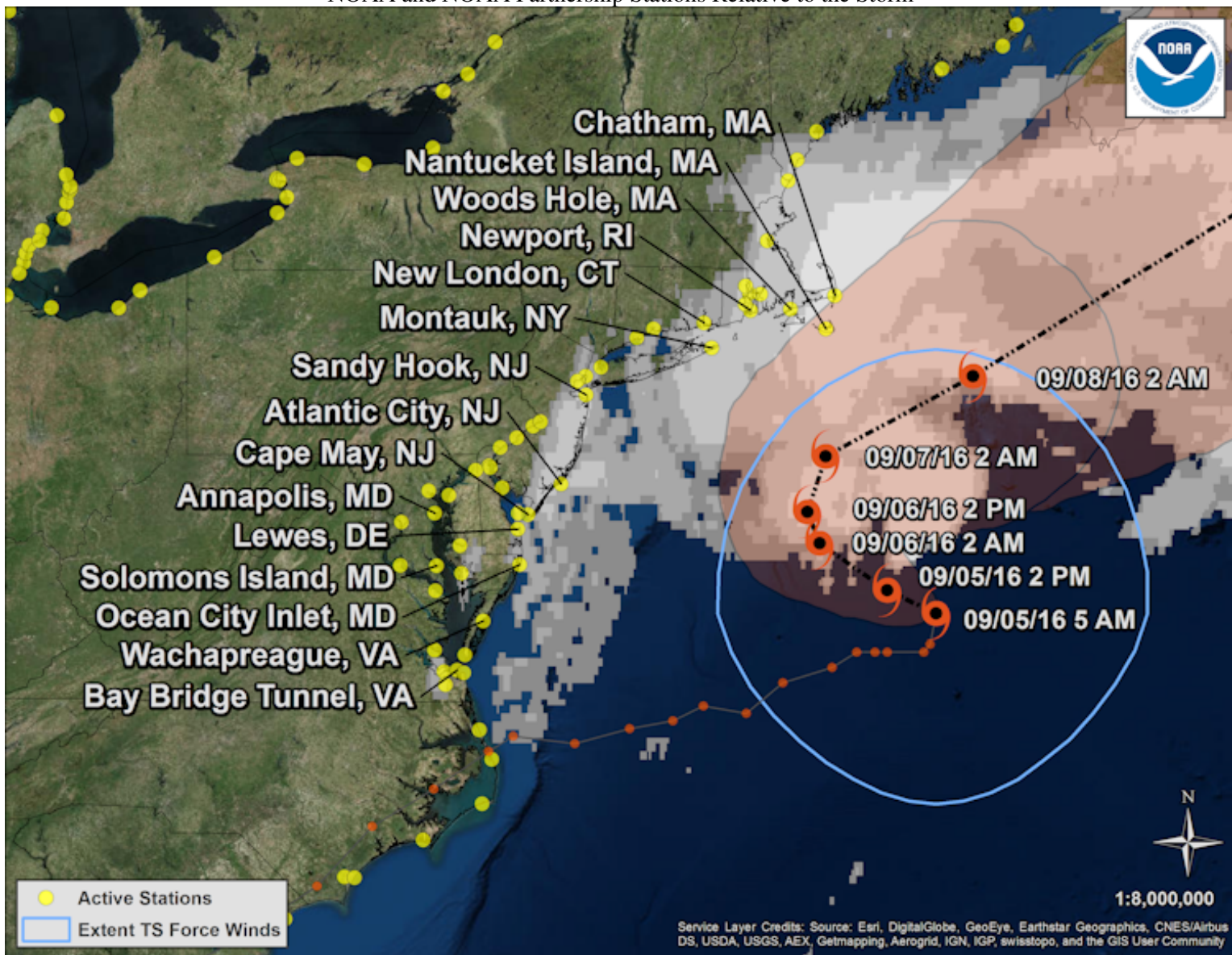




# Post-tropical Storm HERMINE QuickLook Posted: 06:00 EDT 09/05/2016

## NOAA and NOAA Partnership Stations Relative to the Storm



## Storm Analysis

As of 09/05/2016 06:00 EDT, water levels remain elevated from Chesapeake Bay to Massachusetts as Hermine slowly spins offshore. Water levels within the Chesapeake Bay and from the entrance of Chesapeake Bay to New Jersey generally range between 1.1 and 2.0 feet above tidal predictions. Water levels from Long Island, New York to Massachusetts range between 0.5 and 1.2 feet above tidal predictions.

Most areas are seeing winds of 5-15 knots with a few areas seeing slightly higher gusts at times as high as 20 knots. Barometric pressure remains mostly steady along the Mid-Atlantic and New England coast as the storm is well offshore.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: CRD

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

POST-TROPICAL CYCLONE HERMINE ADVISORY NUMBER 32  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
500 AM AST MON SEP 05 2016

...HERMINE EXPECTED TO MEANDER OFF OF THE MID-ATLANTIC COAST THROUGH TUESDAY  
PRODUCING DANGEROUS SURF AND RIP CURRENTS...

SUMMARY OF 500 AM AST INFORMATION

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LOCATION...37.7N 68.3W  
ABOUT 305 MI SE OF THE EASTERN TIP OF LONG ISLAND  
MAXIMUM SUSTAINED WINDS...70 MPH  
PRESENT MOVEMENT...N OR 360 DEGREES AT 3 MPH  
MINIMUM CENTRAL PRESSURE...997 MB

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...  
\* The coast of Long Island from Fire Island Inlet to Port Jefferson Harbor  
\* New Haven to Sagamore Beach  
\* Block Island  
\* Martha's Vineyard  
\* Nantucket

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

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At 500 AM AST , the center of Post-Tropical Cyclone Hermine was located near latitude 37.7 North, longitude 68.3 West. The post-tropical cyclone is drifting toward the north near 3 mph. A gradual turn toward the north-northwest and northwest is expected to occur this afternoon and tonight. A northeastward motion is expected to begin by Tuesday night. On the forecast track, the center of Hermine will meander slowly offshore of the mid-Atlantic coast for the next couple of days.

Maximum sustained winds are near 70 mph with higher gusts. Hermine should remain near hurricane strength through tonight. Gradual weakening is forecast to begin by Tuesday morning.

Tropical-storm-force winds extend outward up to 230 miles from the center. A ship located about 180 miles north of the center recently reported a sustained wind of 52 mph.

The estimated minimum central pressure is 997 mb.

#### HAZARDS AFFECTING LAND

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**WIND:** Tropical storm conditions are expected to begin over portions of the warning area by this afternoon.

**STORM SURGE:** The combination of a storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. Along the immediate coastline, the surge will be accompanied by large and dangerous waves.

The water could reach the following heights above ground if the peak surge occurs at the time of high tide...

Coast of Long Island from Fire Island Inlet to Port Jefferson Harbor...1 to 2 feet

**RAINFALL:** Heavy rainfall associated with Hermine will remain mainly offshore through Wednesday. Rainfall totals of 1 to 2 inches are possible across far southeastern Massachusetts, including Cape Cod and the offshore islands.

**SURF:** Large waves generated by Hermine will affect the U.S. east coast from the mid-Atlantic states and expand northward along the coast of southern New England through tonight. These waves are likely to cause life-threatening surf and rip current conditions, and significant beach erosion. Please consult products from your local weather office.

#### NEXT ADVISORY

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Next intermediate advisory at 800 AM AST.

Next complete advisory at 1100 AM AST.

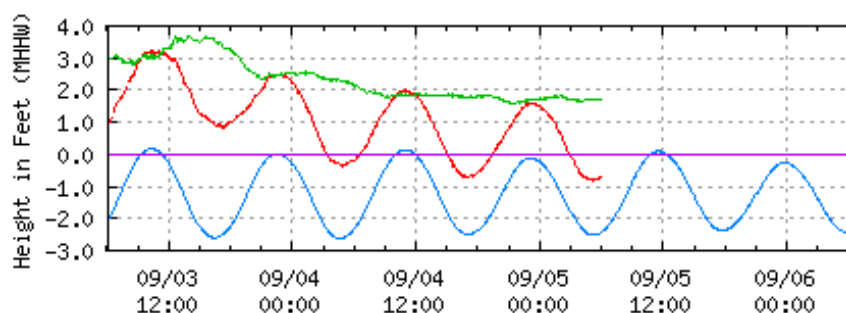
Forecaster Stewart

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Wachapreague - Water Level](#), [Wachapreague - Winds](#), [Solomons Island - Water Level](#), [Annapolis - Water Level](#), [Ocean City Inlet - Water Level](#), [Ocean City Inlet - Winds](#), [Ocean City Inlet - Barometric](#), [Lewes - Water Level](#), [Lewes - Winds](#), [Lewes - Barometric](#), [Cape May - Water Level](#), [Cape May - Winds](#), [Cape May - Barometric](#), [Atlantic City - Water Level](#), [Atlantic City - Barometric](#), [Sandy Hook - Water Level](#), [Sandy Hook -](#)

Winds, Sandy Hook - Barometric, Montauk - Water Level, Montauk - Barometric, New London - Water Level, New London - Winds, Newport - Water Level, Newport - Winds, Newport - Barometric, Nantucket Island - Water Level, Nantucket Island - Winds, Nantucket Island - Barometric, Woods Hole - Water Level, Woods Hole - Barometric, Chatham - Water Level

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

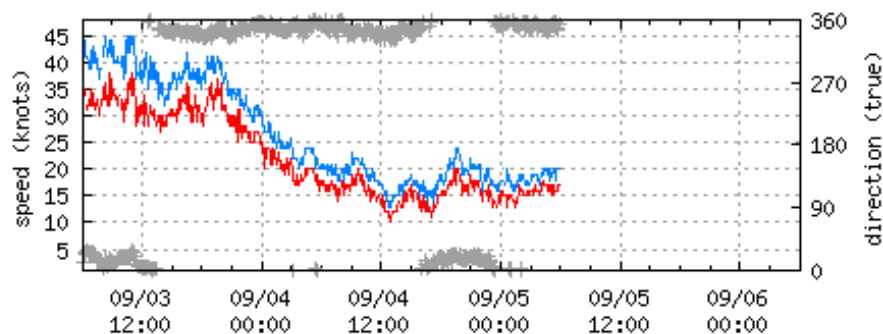
Last Observed Sample: 09/05/2016 06:00 (EDT). Data relative to MHHW

Observed: -0.72 ft. Predicted: -2.42 ft. Residual: 1.70 ft.

Historical Maximum Water Level: Nov 12 2009, 4.66 ft.

Next High Tide: 09/05/2016 11:31 (EDT), 0.09 ft.

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA  
Wind Speed / Gusts / Direction

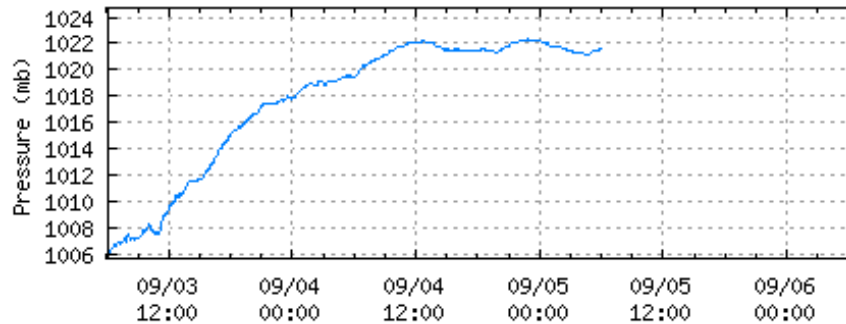


speed — gusts — direction +

Last Observed Sample: 09/05/2016 06:00 (EDT)

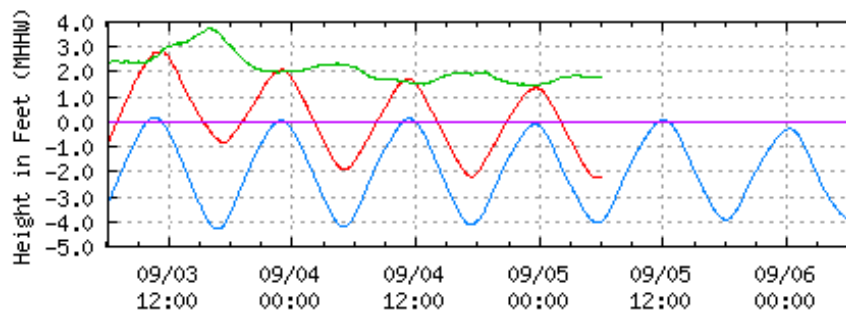
Wind Speed: 16 knots Gusts: 20 knots Direction: 1° T

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 09/05/2016 06:00 (EDT)  
Barometric Pressure: 1021.7 mb

NOAA/NOS/CO-OPS 8631044 Wachapreague, VA  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

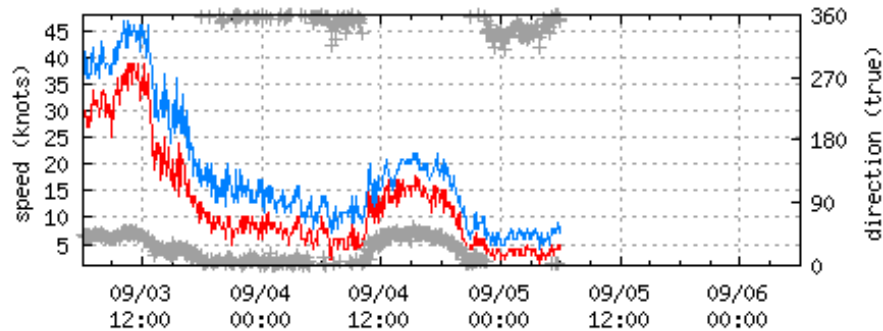


Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 09/05/2016 06:06 (EDT). Data relative to MHHW  
Observed: -2.14 ft. Predicted: -3.95 ft. Residual: 1.81 ft.  
Historical Maximum Water Level: Feb 5 1998, 4.41 ft.  
Next High Tide: 09/05/2016 12:02 (EDT), 0.07 ft.

NOAA/NOS/CO-OPS 8631044 Wachapreague, VA

Wind Speed / Gusts / Direction



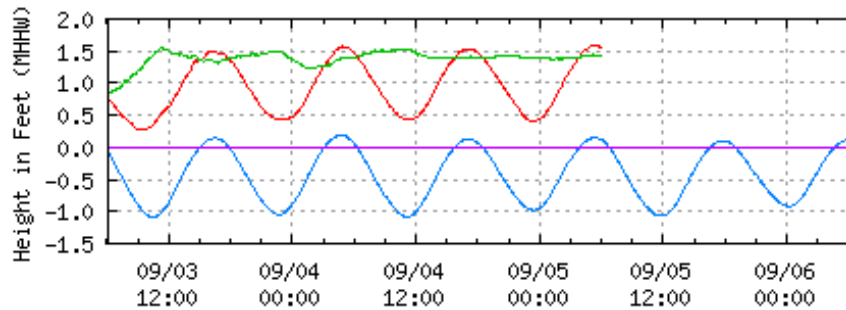
speed — gusts — direction +

Last Observed Sample: 09/05/2016 06:06 (EDT)

Wind Speed: 3 knots Gusts: 6 knots Direction: 343° T

NOAA/NOS/CO-OPS 8577330 Solomons Island, MD

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —  
Observed WL —

(Obs-Pred) —  
MHHW —

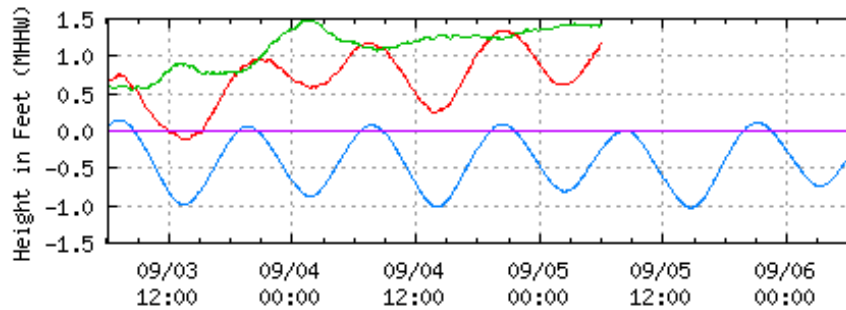
Last Observed Sample: 09/05/2016 06:00 (EDT). Data relative to MHHW

Observed: 1.54 ft. Predicted: 0.12 ft. Residual: 1.42 ft.

Historical Maximum Water Level: Sep 1 2006, 2.93 ft.

Next High Tide: 09/05/2016 17:49 (EDT), 0.10 ft.

NOAA/NOS/CO-OPS 8575512 Annapolis, MD  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

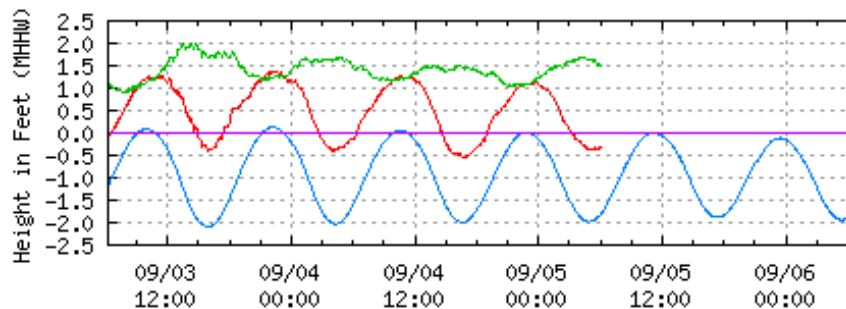
Last Observed Sample: 09/05/2016 06:06 (EDT). Data relative to MHHW

Observed: 1.19 ft. Predicted: -0.23 ft. Residual: 1.42 ft.

Historical Maximum Water Level: Sep 19 2003, 5.73 ft.

Next High Tide: 09/05/2016 08:16 (EDT), 0.01 ft.

NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 09/05/2016 06:00 (EDT). Data relative to MHHW

Observed: -0.31 ft. Predicted: -1.81 ft. Residual: 1.50 ft.

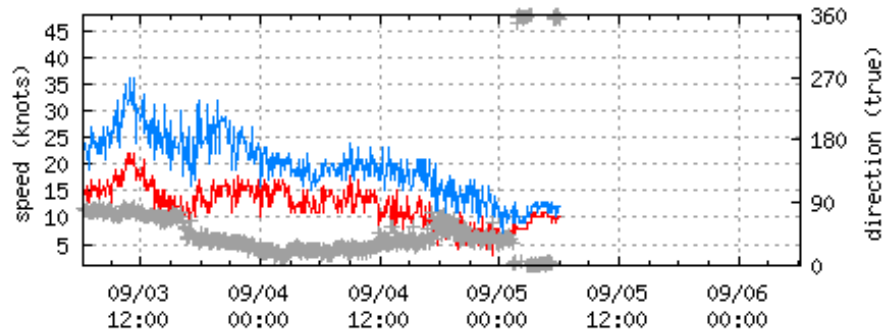
Historical Maximum Water Level: Feb 5 1998, 3.61 ft.

Next High Tide: 09/05/2016 11:11 (EDT), 0.01 ft.



NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD

Wind Speed / Gusts / Direction



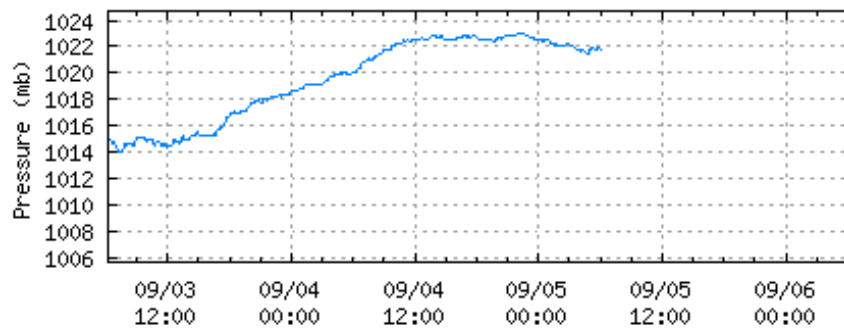
speed — gusts — direction +

Last Observed Sample: 09/05/2016 06:00 (EDT)

Wind Speed: 10 knots Gusts: 12 knots Direction: 355° T

NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD

Barometric Pressure

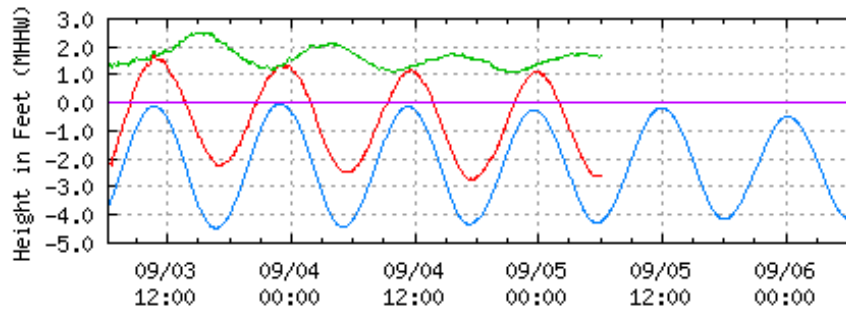


barometric pressure —

Last Observed Sample: 09/05/2016 06:00 (EDT)

Barometric Pressure: 1021.8 mb

NOAA/NOS/CO-OPS 8557380 Lewes, DE  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

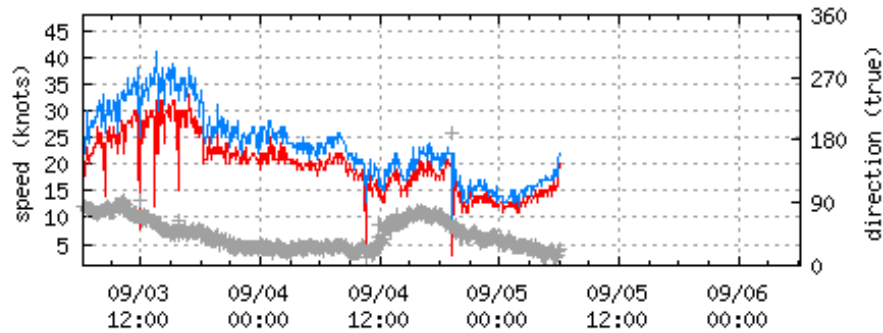
Last Observed Sample: 09/05/2016 06:00 (EDT). Data relative to MHHW

Observed: -2.58 ft. Predicted: -4.24 ft. Residual: 1.66 ft.

Historical Maximum Water Level: Mar 6 1962, 4.57 ft.

Next High Tide: 09/05/2016 11:56 (EDT), -0.19 ft.

NOAA/NOS/CO-OPS 8557380 Lewes, DE  
Wind Speed / Gusts / Direction

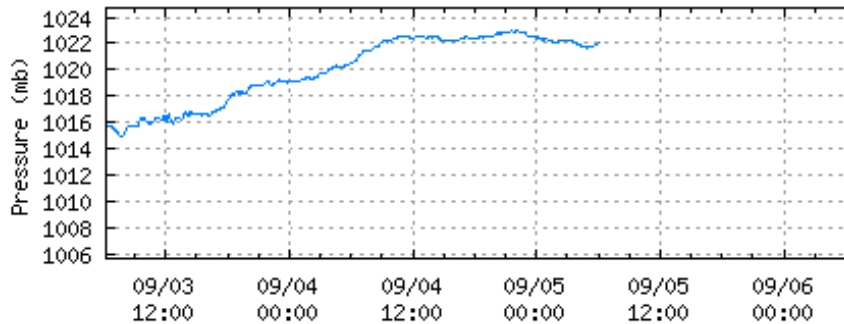


speed — gusts — direction +

Last Observed Sample: 09/05/2016 06:00 (EDT)

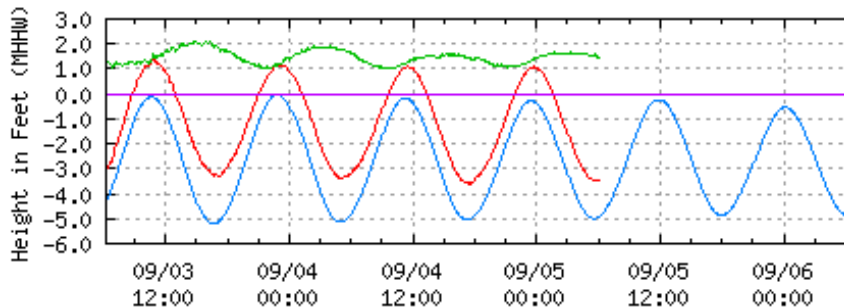
Wind Speed: 20 knots Gusts: 22 knots Direction: 22° T

NOAA/NOS/CO-OPS 8557380 Lewes, DE  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 09/05/2016 06:00 (EDT)  
Barometric Pressure: 1022.0 mb

NOAA/NOS/CO-OPS 8536110 Cape May, NJ  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

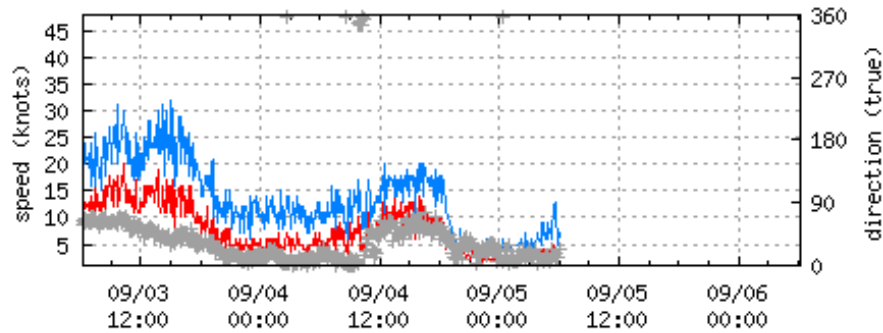


Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 09/05/2016 06:06 (EDT). Data relative to MHHW  
Observed: -3.44 ft. Predicted: -4.91 ft. Residual: 1.47 ft.  
Historical Maximum Water Level: Oct 29 2012, 3.44 ft.  
Next High Tide: 09/05/2016 11:50 (EDT), -0.24 ft.

# NOAA/NOS/CO-OPS 8536110 Cape May, NJ

Wind Speed / Gusts / Direction



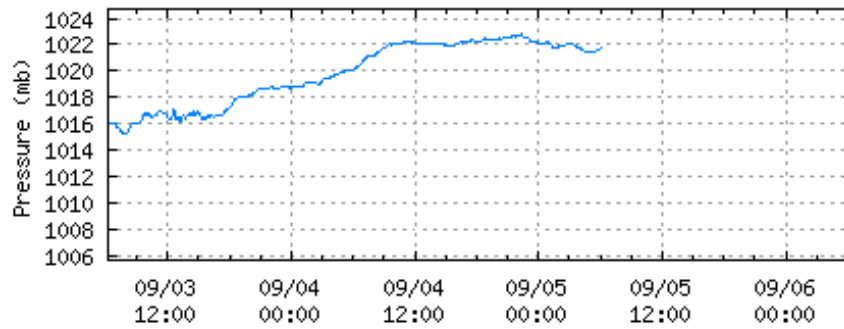
speed — gusts — direction +

Last Observed Sample: 09/05/2016 06:06 (EDT)

Wind Speed: 4 knots Gusts: 8 knots Direction: 24° T

# NOAA/NOS/CO-OPS 8536110 Cape May, NJ

Barometric Pressure

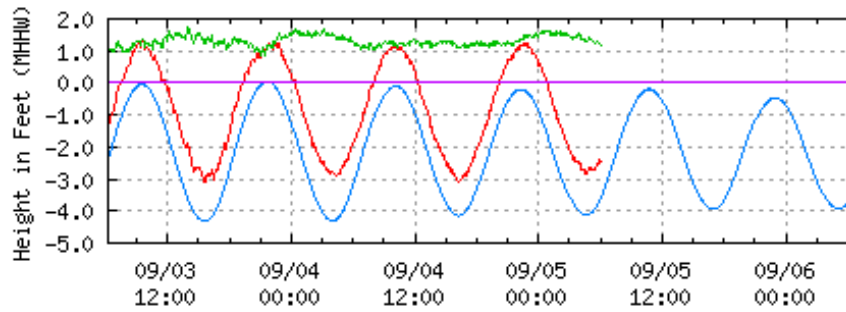


barometric pressure —

Last Observed Sample: 09/05/2016 06:06 (EDT)

Barometric Pressure: 1021.8 mb

NOAA/NOS/CO-OPS 8534720 Atlantic City, NJ  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

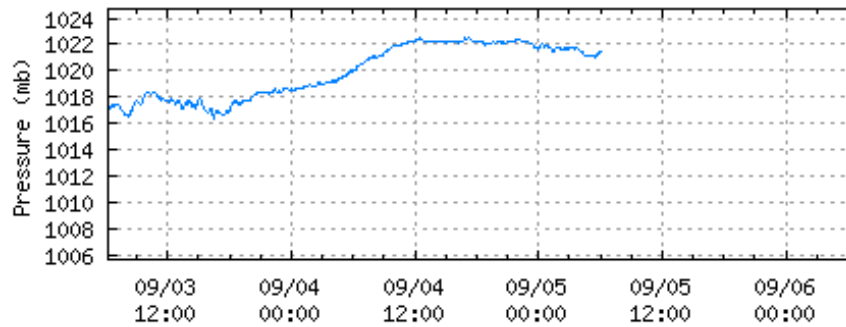
Last Observed Sample: 09/05/2016 06:00 (EDT). Data relative to MHHW

Observed: -2.42 ft. Predicted: -3.60 ft. Residual: 1.18 ft.

Historical Maximum Water Level: Dec 11 1992, 4.38 ft.

Next High Tide: 09/05/2016 10:45 (EDT), -0.19 ft.

NOAA/NOS/CO-OPS 8534720 Atlantic City, NJ  
Barometric Pressure

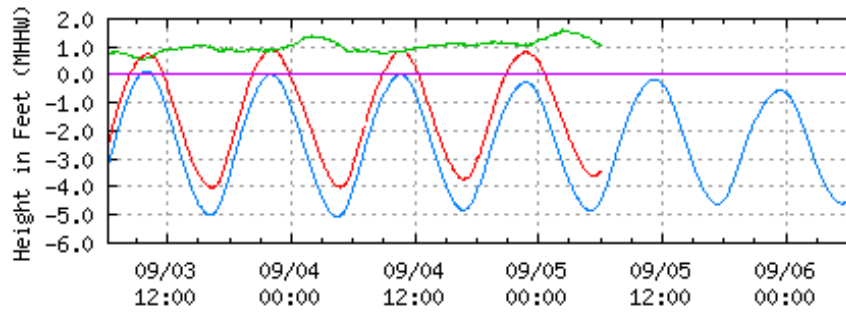


barometric pressure —

Last Observed Sample: 09/05/2016 06:00 (EDT)

Barometric Pressure: 1021.4 mb

NOAA/NOS/CO-OPS 8531680 Sandy Hook, NJ  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

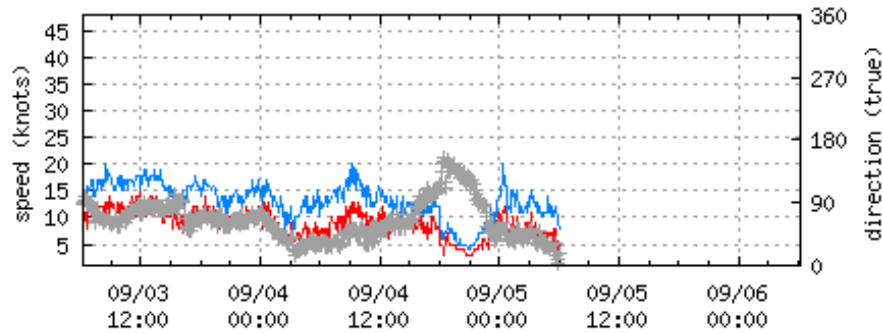
Last Observed Sample: 09/05/2016 06:00 (EDT). Data relative to MHHW

Observed: -3.43 ft. Predicted: -4.48 ft. Residual: 1.05 ft.

Historical Maximum Water Level: Sep 12 1960, 4.86 ft.

Next High Tide: 09/05/2016 11:15 (EDT), -0.15 ft.

NOAA/NOS/CO-OPS 8531680 Sandy Hook, NJ  
Wind Speed / Gusts / Direction

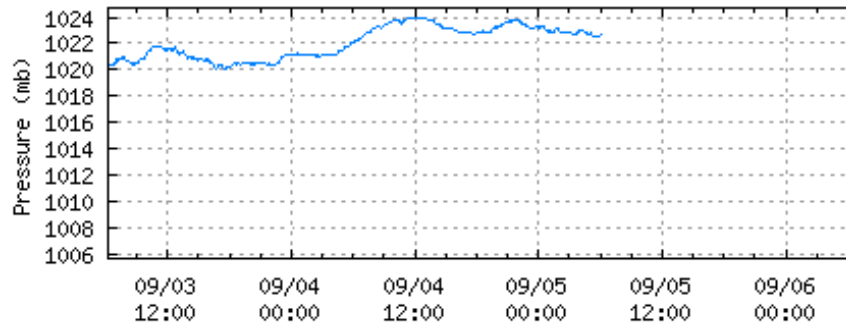


speed — gusts — direction +

Last Observed Sample: 09/05/2016 06:00 (EDT)

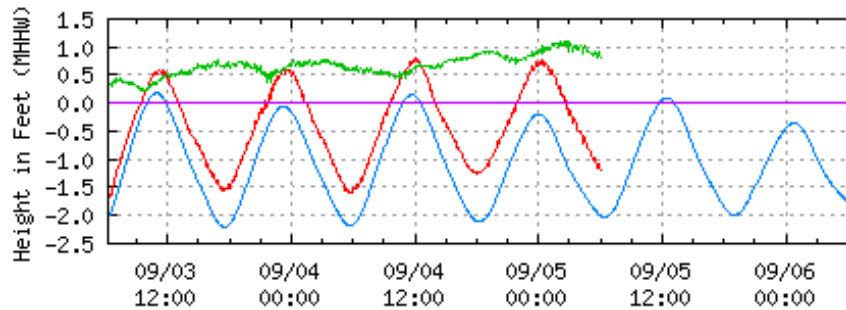
Wind Speed: 5 knots Gusts: 8 knots Direction: 19° T

NOAA/NOS/CO-OPS 8531680 Sandy Hook, NJ  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 09/05/2016 06:00 (EDT)  
Barometric Pressure: 1022.7 mb

NOAA/NOS/CO-OPS 8510560 Montauk, NY  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

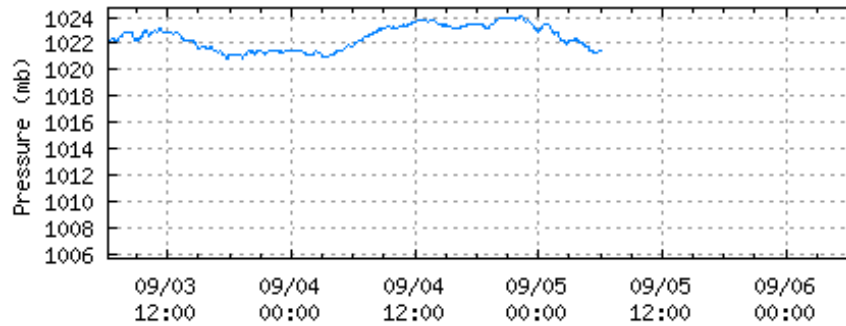
Last Observed Sample: 09/05/2016 06:06 (EDT). Data relative to MHHW

Observed: -1.13 ft. Predicted: -2.02 ft. Residual: 0.89 ft.

Historical Maximum Water Level: Aug 31 1954, 5.91 ft.

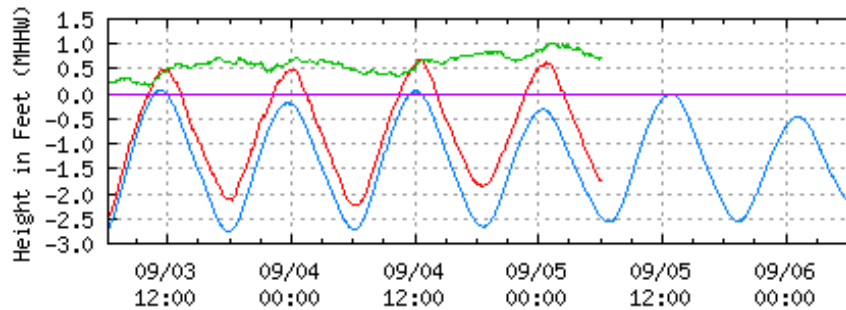
Next High Tide: 09/05/2016 12:27 (EDT), 0.09 ft.

NOAA/NOS/CO-OPS 8510560 Montauk, NY  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 09/05/2016 06:06 (EDT)  
Barometric Pressure: 1021.3 mb

NOAA/NOS/CO-OPS 8461490 New London, CT  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

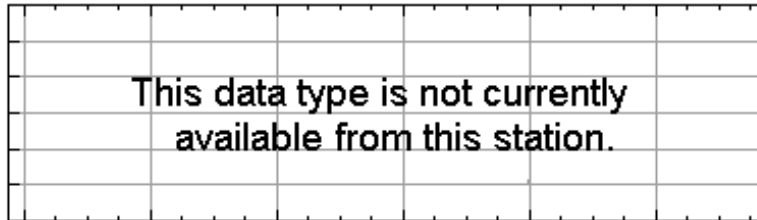


Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

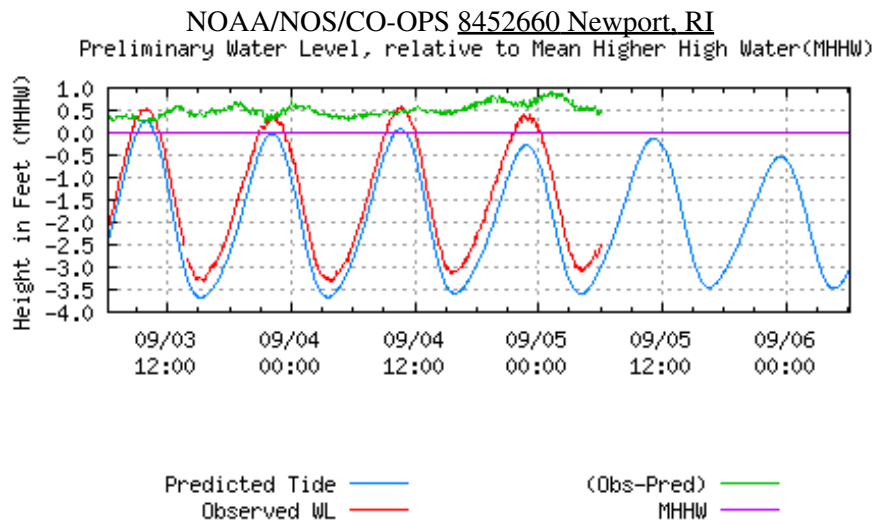
Last Observed Sample: 09/05/2016 06:06 (EDT). Data relative to MHHW  
Observed: -1.78 ft. Predicted: -2.49 ft. Residual: 0.71 ft.  
Historical Maximum Water Level: Sep 21 1938, 7.53 ft.  
Next High Tide: 09/05/2016 12:49 (EDT), 0.00 ft.



NOAA/NOS/CO-OPS 8461490 New London, CT  
NOAA/NOS/CO-OPS

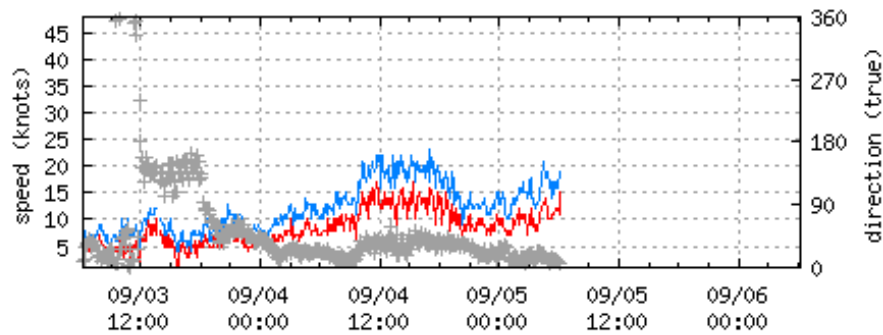


Last Observed Sample: 09/05/2016 06:06 (EDT)  
Wind Speed: 4 knots Gusts: 9 knots Direction: 15° T



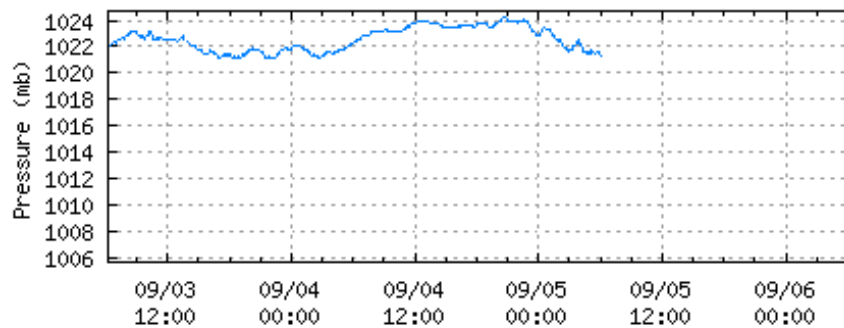
Last Observed Sample: 09/05/2016 06:06 (EDT). Data relative to MHHW  
Observed: -2.51 ft. Predicted: -2.96 ft. Residual: 0.45 ft.  
Historical Maximum Water Level: Sep 21 1938, 9.46 ft.  
Next High Tide: 09/05/2016 11:12 (EDT), -0.12 ft.

NOAA/NOS/CO-OPS 8452660 Newport, RI  
Wind Speed / Gusts / Direction



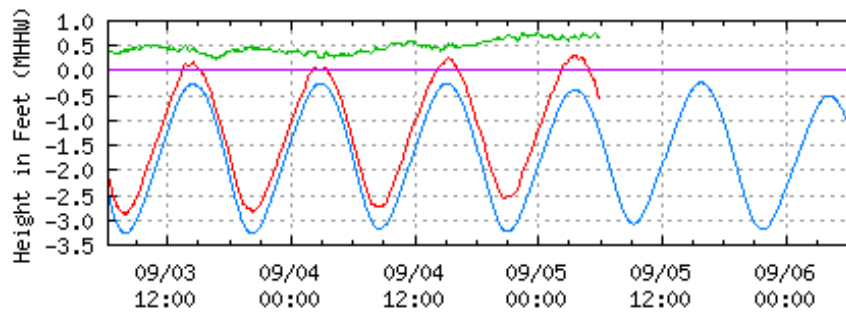
speed — gusts — direction +  
Last Observed Sample: 09/05/2016 06:06 (EDT)  
Wind Speed: 15 knots Gusts: 19 knots Direction: 7° T

NOAA/NOS/CO-OPS 8452660 Newport, RI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 09/05/2016 06:06 (EDT)  
Barometric Pressure: 1021.3 mb

NOAA/NOS/CO-OPS 8449130 Nantucket Island, MA  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

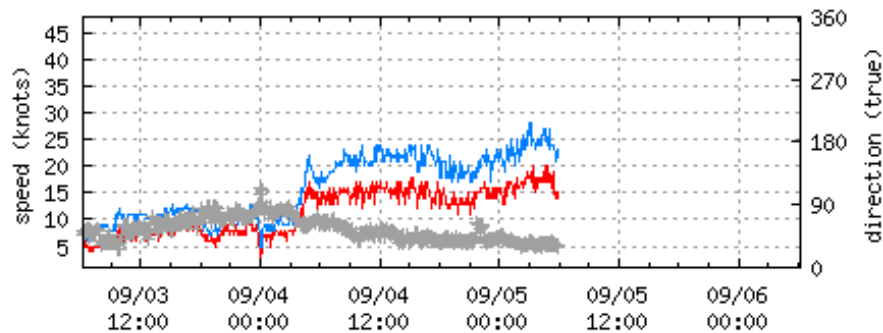
Last Observed Sample: 09/05/2016 06:00 (EDT). Data relative to MHHW

Observed: -0.63 ft. Predicted: -1.31 ft. Residual: 0.68 ft.

Historical Maximum Water Level: Oct 30 1991, 4.29 ft.

Next High Tide: 09/05/2016 15:45 (EDT), -0.24 ft.

NOAA/NOS/CO-OPS 8449130 Nantucket Island, MA  
Wind Speed / Gusts / Direction

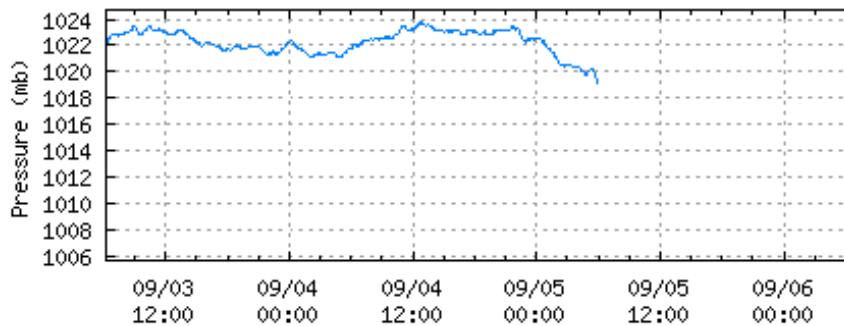


speed — gusts — direction +

Last Observed Sample: 09/05/2016 06:00 (EDT)

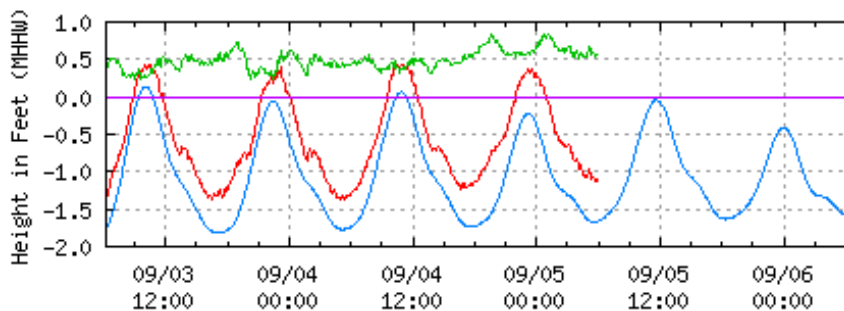
Wind Speed: 15 knots Gusts: 24 knots Direction: 29° T

NOAA/NOS/CO-OPS 8449130 Nantucket Island, MA  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 09/05/2016 06:00 (EDT)  
Barometric Pressure: 1019.2 mb

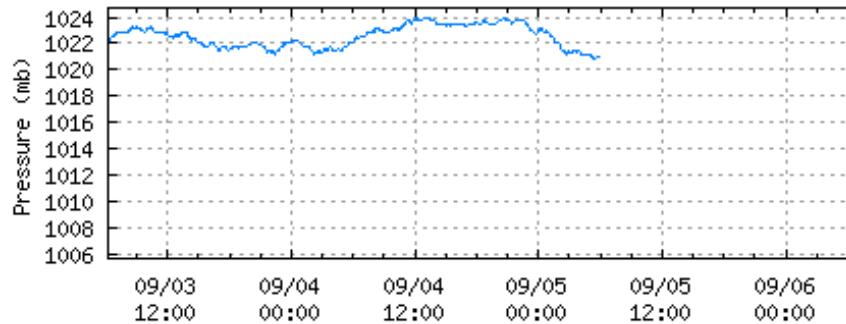
NOAA/NOS/CO-OPS 8447930 Woods Hole, MA  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

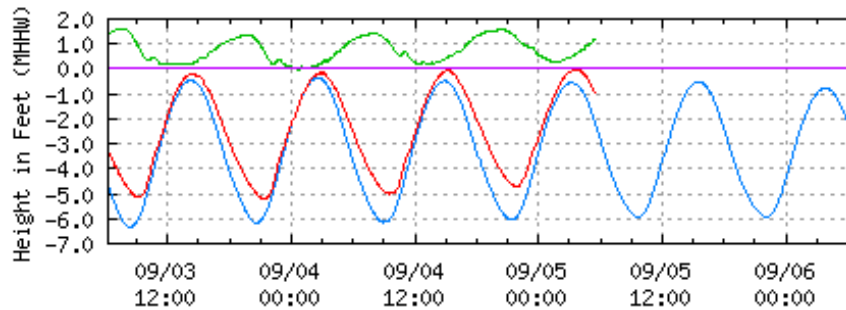
Last Observed Sample: 09/05/2016 06:00 (EDT). Data relative to MHHW  
Observed: -1.13 ft. Predicted: -1.65 ft. Residual: 0.52 ft.  
Historical Maximum Water Level: Sep 21 1938, 8.58 ft.  
Next High Tide: 09/05/2016 11:38 (EDT), -0.05 ft.

NOAA/NOS/CO-OPS 8447930 Woods Hole, MA  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 09/05/2016 06:00 (EDT)  
Barometric Pressure: 1020.9 mb

NOAA/NOS/CO-OPS 8447435 Chatham, MA  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 09/05/2016 05:24 (EDT). Data relative to MHHW  
Observed: -0.91 ft. Predicted: -2.11 ft. Residual: 1.20 ft.  
Historical Maximum Water Level: Feb 26 2010, 2.96 ft.  
Next High Tide: 09/05/2016 15:29 (EDT), -0.52 ft.

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8638863	Chesapeake Bay Bridge Tunnel, VA	09/05/2016 06:00 (EDT)	-0.72 ft	-2.42 ft	1.70 ft	2.01 ft
8631044	Wachapreague, VA	09/05/2016 06:06 (EDT)	-2.14 ft	-3.95 ft	1.81 ft	1.72 ft
8577330	Solomons Island, MD	09/05/2016 06:00 (EDT)	1.54 ft	0.12 ft	1.42 ft	1.60 ft
8575512	Annapolis, MD	09/05/2016 06:06 (EDT)	1.19 ft	-0.23 ft	1.42 ft	1.34 ft
8570283	Ocean City Inlet, MD	09/05/2016 06:00 (EDT)	-0.31 ft	-1.81 ft	1.50 ft	1.27 ft
8557380	Lewes, DE	09/05/2016 06:00 (EDT)	-2.58 ft	-4.24 ft	1.66 ft	1.18 ft
8536110	Cape May, NJ	09/05/2016 06:06 (EDT)	-3.44 ft	-4.91 ft	1.47 ft	1.09 ft
8534720	Atlantic City, NJ	09/05/2016 06:00 (EDT)	-2.42 ft	-3.60 ft	1.18 ft	1.27 ft
8531680	Sandy Hook, NJ	09/05/2016 06:00 (EDT)	-3.43 ft	-4.48 ft	1.05 ft	0.86 ft
8510560	Montauk, NY	09/05/2016 06:06 (EDT)	-1.13 ft	-2.02 ft	0.89 ft	0.79 ft
8461490	New London, CT	09/05/2016 06:06 (EDT)	-1.78 ft	-2.49 ft	0.71 ft	0.69 ft
8452660	Newport, RI	09/05/2016 06:06 (EDT)	-2.51 ft	-2.96 ft	0.45 ft	0.58 ft
8449130	Nantucket Island, MA	09/05/2016 06:00 (EDT)	-0.63 ft	-1.31 ft	0.68 ft	0.32 ft
8447930	Woods Hole, MA	09/05/2016 06:00 (EDT)	-1.13 ft	-1.65 ft	0.52 ft	0.44 ft
8447435	Chatham, MA	09/05/2016 05:24 (EDT)	-0.91 ft	-2.11 ft	1.20 ft	-0.00 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
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